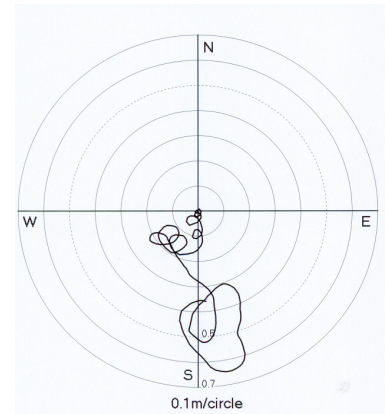


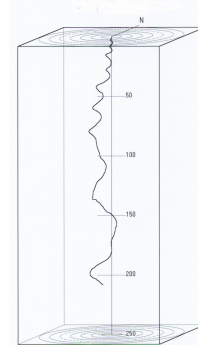
Gyro Shuttle

DMT downhole tool

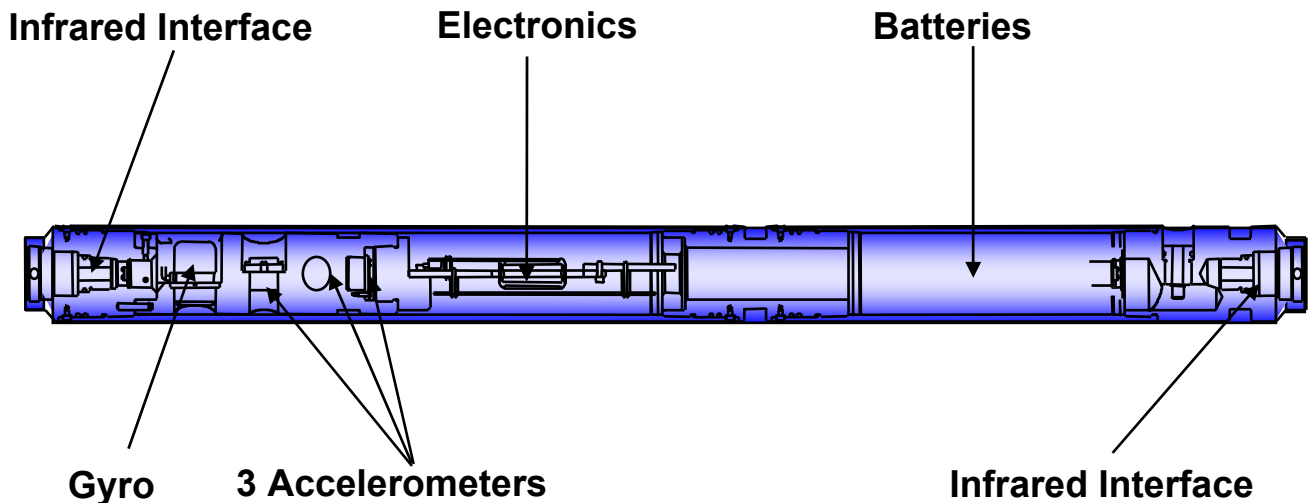
The Gyro Shuttle, suitable for HQ rods, is fitted with 3 accelerometers and a two-axis Dry Tuned Gyro (DTG), sensitive in two angles of rotation, to survey the borehole direction and inclination. The tool is fully covered by the drilling rod as it is run on the core catcher at maximum speed downwards, and after a break of approximately 5 minutes it is run again on max. speed upwards. A Casing Collar Locator (CCL) is used to determine the casing collars for further depth information. The data will be processed and stored by a microprocessor within the tool. Being intrinsically safe it can be operated in explosion hazardous areas like coal mines from the surface and underground.



Bulls eye



3D Display



Advantages of the Gyro Shuttle

- Runs in every direction
- High accuracy
- No interference by magnetic anomalies
- Can run in combination with the Gamma Shuttle
- Can be operated either on the core rope or drill string

Technical Data

Tool length	1500 mm
Tool diameter	73 mm
Weight	28 kg
Maximum depth	2000 m
Maximum pressure	200 bar
Maximum temperature	70° Celcius
Working time	4 hours
Combination with	Gamma Shuttle
Minimum borehole diameter	80 mm
Sensors	3 QA700 accelerometers
	1 LKS91 Dry Tuned Gyro
Parameters logged	Direction
	Inclination
	1500 mm

Subject to change

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